This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

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- 1. (Original) A method for performing timing recovery comprising: producing a phase signal by comparing a signal received at each of a plurality of inputs to a timing signal produced by a numerically controlled oscillator (NCO); summing said phase signals to produce a sum; adjusting said sum into an input range for the numerically controlled oscillator (NCO); and
 - producing a timing signal within the NCO in response to the adjusted sum.
- 2. (Original) The method of claim 1 wherein said adjusting comprises: determining whether each input can be accurately received; and dividing the sum by a number of potentially receivable inputs.
- 3. (Original) The method of claim 2 wherein said determining comprises:

 determining whether an amplitude of each input is greater than a threshold value.
- 4. (Original) The method of claim 1 wherein said adjusting comprises: determining whether each input is receivable; determining an offset using a number of receivable inputs; and adjusting the sum using the offset.
- 5. (Original) The method of claim 4 wherein said determining comprises:

 determining whether an amplitude of each input is above a threshold value.
- 6. (Original) The method of claim 4 wherein said adjusting by said offset comprises:

adding the sum by the offset if the sum is below the input range.

- 7. (Original) The method of claim 4 wherein said adjusting by said offset comprises: subtracting the sum by the offset if the sum is above the input range.
- 8. (Original) An apparatus for performing timing recovery of a signal received at a plurality of inputs, said apparatus comprising:
- a plurality of phase detectors each detecting a phase of said signal at a different input by comparing the input signal to a timing signal from a numerically controlled oscillator (NCO);
 - a summer for adding said detected phases to form a sum;
 - a level shifter for adjusting the sum to within an input range of said NCO;
 - a loop filter for filtering the adjusted sum; and
 - the NCO for generating a timing signal in response to the filtered sum.
- 9. (Original) The apparatus of claim 8 further comprising:
- a plurality of signal detectors each for determining whether an input signal is receivable; and
- a decision circuit using a total of receivable input signals to determine an adjustment to the sum by said level shifter.
- 10. (Original) The apparatus of claim 9 wherein said decision circuit divides the sum by the total of receivable input signals.
- 11. (Original) The apparatus of claim 9 wherein said decision circuit determines an offset that is added to or subtracted from the sum by said level shifter.